

WHAT IS CLAIMS**Clean Copy****CLAIMS 1-15 (DELETED)**

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CLAIM 16. (currently amended) A compact mobile vacuum excavation, and surface cleaning method comprising the steps of: providing a vacuum container, said vacuum container having a length and width, and having a vacuum producing means to create a vacuum within said vacuum container, providing a conduit to vacuum liquid or solid particles into said vacuum container, and said vacuum container being mounted at an inclined slope along said length of said container and sufficient to allow said solids or liquid to be emptied from said vacuum container by gravity through an access door to said vacuum container when said access door is opened along said width of said container, and further providing a liquid storage container, and said liquid storage container being mounted below said incline slope of said vacuum container.

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CLAIM 17. (currently amended) A mobile surface cleaning or vacuum excavating method comprising the steps of: providing a vacuum container, said vacuum container having a vacuum producing means to create a vacuum within said vacuum container, providing a conduit to vacuum liquid or solid particles into said vacuum container, and said vacuum container being mounted at an inclined slope sufficient to allow said solids and liquid to empty from said vacuum container by gravity through an access door to said vacuum container when said access door is opened, and further providing a liquid storage container, and said liquid storage container being mounted below said incline slope of said vacuum container and

5 further comprising the steps of: providing a filter housing to house air filters, said
filter housing being mounted adjacent to said vacuum container so as to allow a
single door access to both said filter housing and said vacuum container, and said
filter housing having a connecting conduit to flow air from said vacuum container
to said filter housing and said filter housing having filters disposed within it to
10 remove solids from said air.

CLAIM 18.(currently amended) A mobile vacuum method of vacuum excavation, and
surface cleaning comprising the steps of: providing a vacuum container having a
length and width and, a filter housing, and a liquid storage container, said vacuum
15 container comprising a vacuum producing means to create a vacuum within said
vacuum container, and further comprising a conduit to vacuum solid particles or
liquid into said vacuum container, and said vacuum container being mounted at an
inclined slope along said length of said container and sufficient to allow said solids
and said liquid to be emptied from said vacuum container by gravity through an
20 access door of said vacuum container when said access door is opened along said
width of said container, and further comprising the step of said liquid storage
container being mounted below said incline slope of said vacuum container and
further comprising the step of said filter housing being mounted at an incline slope
adjacent to said vacuum tank.

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CLAIM 19 (currently amended) A vacuum excavation, and surface cleaning method
according to claim16, wherein said liquid storage container comprises an

5 additional step of having said storage container side walls add structurally support
to said vacuum container.

CLAIM 20. (currently amended) A vacuum excavation, and surface cleaning method
according to claim 16, wherein said vacuum container and said water storage
container further comprise the step of mounting a vacuum blower, an air filter,
10 and an engine adjacent to said vacuum container.

CLAIM 21(currently amended) A vacuum excavation, and surface cleaning method
according to claim 16, 17 or 18, wherein said vacuum container and water storage
container comprise an additional step of mounting auxiliary equipment adjacent to
15 said vacuum container and water storage container, and said auxiliary equipment
is chosen from a list consisting of one or more of: a vacuum blower exhaust
muffler, a vacuum pump, a power plant, a hydraulic reservoir, a hydraulic pump,
a vacuum pump, an air filter, a water pump, a boom arm, a trailer, an engine, a
hose reel, a jetter, a hydraulic connection for hydraulic tools, an air compressor, a
20 generator, a process controller, a surface cleaning tool, a jack hammer, a concrete
saw, a solids liquid separator, a water filter, a water heater, a water purifier, a
water sterilizer, a vibrating screen, a liquid recycling system, a hydrocarbon
absorption system, a solids dispensing system, a air conveyor, a screw conveyor, a
cyclone, a liquid dispensing system, a vibrator, an excavation bucket, a torque
25 wrench, a hydro-cyclone, a noise muffler, a goose neck trailer coupler, a skid
steer, a zero turn radius vehicle, a rail road car, a fork lift, a truck, a back hoe, a
track loader, a barge, a powered linear actuator or telescoping cylinder to open or

5 close an access door to said vacuum container, a skid mounting base, and a fuel
reservoir.

CLAIM 22.(currently amended) A vacuum excavation, and surface cleaning method
according to claim16, wherein said vacuum container and said water storage
10 container further comprise the step of mounting an air filter housing adjacent to
said vacuum container.

CLAIM 23.(currently amended) A vacuum excavation, and surface cleaning method
according to claim16 or 18 wherein said access door is opened and closed by a
telescoping means disposed within said vacuum container, and said telescoping
15 means being chose from one or more devices selected from a group consisting of
a hydraulic cylinder, an air cylinder and a linear actuator.

CLAIM 24.(currently amended) A vacuum excavation, and surface cleaning
method according to claim16, 17 or18, wherein said vacuum container comprises
an additional step of providing a vibrating screen disposed within said vacuum
20 container to separate liquids from solids.

CLAIM 25.(currently amended) A vacuum excavation, and surface cleaning
method according to claim 16, 17 or 18, wherein said vacuum container
comprises an additional step of providing a means to dispense a liquid from said
vacuum container without eliminating the vacuum environment within said
25 vacuum container, and said dispensing means being chose from a group
consisting of a pump, a grinder, and a progressive cavity screw.

CLAIM 26.(withdrawn)

5 CLAIM 27.(withdrawn)

CLAIM 28. (withdrawn)

CLAIM 29. (currently amended) A vacuum excavation, and surface cleaning method

according to claim 16, 17 or 18, wherein said vacuum container and water storage

10 container comprise an additional step of mounting an articulated boom arm

adjacent to said vacuum container and water storage container, and said

articulated boom arm having one or more boom arms, and one or more elbows

and said articulated boom arm comprises an additional step of having auxiliary

equipment mounted adjacent to said boom arm and said auxiliary equipment

15 being chose from a group consisting of: a linear actuator, a hydraulic cylinder, a

remotely controlled operating system, a control system, a control system monitor,

a jetter, a sand blaster, a telescoping boom arm, a telescoping vacuum conduit, a

powered rotating knuckle, a sand blasting tool, a vibrator, a concrete saw, a jack

hammer, a vacuum hose with vacuum hose end attachments, a water pressure

20 hose with spray nozzle attachments, an air hose with air tool attachments, an

electric cord with attachments for electric power tools, hydraulic hoses with

hydraulic tool attachments, an excavation bucket, a surface cleaner, a grinder, a

pump, a torque wrench, a sensor to detect buried utilities, and a man hole cover

removal tool.

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CLAIM 30. (withdrawn)

CLAIM 31.(withdrawn)

CLAIM 32.(withdrawn).

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CLAIM 33.(Currently ammended) A vacuum excavation, and surface cleaning

method according to claim18 wherein said vacuum container comprises an

additional step of providing a vibrating screen disposed within said vacuum

container to separate liquid from solids and said vacuum container further

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comprises an additional step of providing a means to dispense a liquid from said

vacuum container without eliminating the vacuum environment within said

vacuum container, and said dispensing means being chose from a group

consisting of a pump, a grinder, and a progressive cavity screw and further

comprising a means to recycle said liquid to a surface cleaning means having one

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or more devices selected from the group consisting of: a liquid pressure spray

nozzle, a means to direct said nozzle to impinge said surface to be cleaned with

said liquid, a housing to contain said liquid spray, a vacuum conduit attachment to

said housing, a vacuum conduit to vacuum said sprayed liquid from said surface,

and said vacuum conduit to convey said surface cleaning liquid to said vacuum

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container.

CLAIM 34.(withdrawn)

CLAIM 35.(withdrawn)

CLAIM 36 (withdrawn)

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